

0941.63365



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#28 / 2/14/03
 [Signature]

In Re U.S. Patent Application)

Applicant: Abarra et al.)

Serial No. 09/425,788)

Filed: October 22, 1999)

 For: MAGNETIC RECORDING MEDIUM
 AND MAGNETIC STORAGE
 APPARATUS)

Art Unit: 1773)

Examiner: Rickman, H.)

I hereby certify that this paper is being deposited with
 the United States Postal Service as FIRST-CLASS mail in
 an envelope addressed to: Assistant Commissioner for
 Patents, Washington, D.C. 20231, on this date.

1/21/2003

Date

F-CLASS.WCM

Appr. February 20, 1998

 [Signature]
 Registration No. 37,538

Attorney for Applicant

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants through
 counsel submit copies of the patents and publications identified in the attached form PTO-
 1449 as follows:

FOREIGN PATENT DOCUMENTS

<u>DOCUMENT</u>	<u>COUNTRY</u>	<u>DATE</u>
06-349047	Japan	Dec. 22, 1994
07-121863	Japan	May 12, 1995
09-198641	Japan	Jul. 31, 1997

01/30/2003 CCH/11 00000098 09425788 180.00 OP
 01 FC:1806

OTHER DOCUMENTS

Baibich et al., "*Giant Magnetoresistance of (001)Fe(001)CR Magnetic Superlattices*," Physical Review Letters, Vol. 61, No. 21, Nov. 21, 1988.

REMARKS

Applicants respectfully request that the Examiner consider the above-listed references in the examination of this application and list these references of record in the application.

The enclosed references were cited in Communications issued by two different foreign patent offices (copies of both Communications are enclosed). Specifically, Japanese Reference Nos. 6-349047, 7-121863, 9-198641 were cited by the Examiner in the Japanese Patent Office during an interview with the Examiner conducted on December 12, 2002 (copy of interview summary enclosed); JP 6-349047 was cited in a Japanese Office Action (copy enclosed) mailed on January 7, 2003; and the Baibich article was cited in a Communication from the European Patent Office (copy enclosed) mailed on December 30, 2002. Applicants hereby certify that each of the above items of information was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Statement.

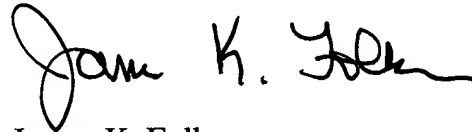
Applicants enclose herewith a check in the amount of \$180.00 to cover the fee set forth in 37 C.F.R. § 1.17(p).

The Commissioner is hereby authorized to charge any additional fees which may be required in this application under 37 C.F.R. §§ 1.16-1.17 to Deposit Account No. 07-2069.

Respectfully submitted

GREER, BURNS & CRAIN, LTD.

By



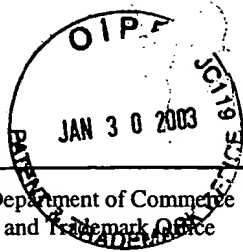
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January 21, 2003

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Form PTO-1449 U.S. Department of Commerce
(Rev. 8-88) Patent and Trademark Office

Attorney Docket No.: 0941.63365

Serial No.: 09/425,788

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicant: Abarra et al.

Filing Date: October 22, 1999

Group: 1773

U.S. PATENT PUBLICATIONS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

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FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
HK	06-349047	Dec. 22, 1994	Japan			Abs.	
HK	07-121863	May 12, 1995	Japan			Abs.	
HK	09-198641	Jul. 31, 1997	Japan			Abs.	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HK	Baibich et al., "Giant Magnetoresistance of (001)Fe(001)CR Magnetic Superlattices," Physical Review Letters, Vol. 61, No. 21, Nov. 21, 1988.

Examiner

H. Wilson

Date Considered

5/9/03

*Examiner:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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1/21/2003 James K. Folker
Date Registration No. 37,538
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Appr. February 20, 1998 Attorney for Applicant

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TRANSMITTAL

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

- (X) Enclosed is an IDS, PTO Form 1449, and copies of cited references and European and Japanese Office Actions to be filed in the above-referenced application.
- (X) Check for \$180.00.
- (X) If a Petition under 37 C.F.R. §1.136(a) for an extension of time for response is required to make the attached response timely and does not separately accompany this transmittal, Applicant(s) hereby petition(s) under 37 C.F.R. §1.136(a) for an extension of time for response in the above-identified application for the period required to make the attached response timely.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

GREER, BURNS & CRAIN, LTD.

January 21, 2003

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